## (19) World Intellectual Property Organization

International Bureau





## (43) International Publication Date 18 November 2004 (18.11.2004)

## PCT

## (10) International Publication Number WO 2004/099040 A1

B65G 15/00 (51) International Patent Classification7:

(21) International Application Number: PCT/US2003/010363

(22) International Filing Date: 4 April 2003 (04.04.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): OTIS EL-EVATOR COMPANY [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SANSEVERO, Frank [US/US]; 34 Cardinal Drive, Glastonbury, CT 06033 (US). MAJUNTKE, Carla [DE/US]; 135 George Street, Bristol, CT 06010 (US). STRIPLING, Ralph [DE/DE]; Krohnweg 4F, 14089 Berlin (DE). ENGELKE, Bernward [DE/DE]; 1M Bockfelde 11, 31137 Hildesheim (DE). SWYST, Thomas [US/US]; 127 Highland Avenue, Arlington, MA 02476 (US). MUELLER, Alexander [DE/DE]; Untere Soeldnersgasse 8, 90403 Nuernberg (DE).

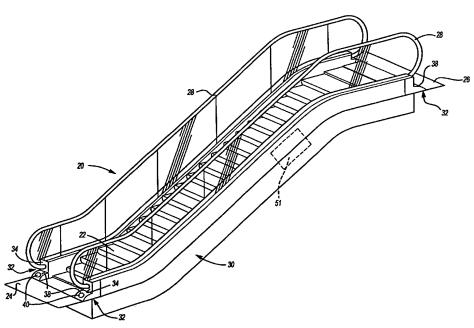
- (74) Agent: OLDS, Theodore, W.; Carlson, Gaskey & Olds, 400 West Maple Rd., Suite 350, Birmingham, MI 48009 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

### Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: TRAFFIC FLOW INDICATOR FOR A PASSENGER CONVEYOR



(57) Abstract: A display device (40) for use with a passenger conveyor (20) provides traffic flow direction information. One example includes a display panel (42) supported on a surface (38) that is conveniently positioned beneath the handrail (28) near a landing (24). In a particular example, a handrail entry module (32) includes a handrail entry (36) and a support surface (38) that supports the display (40). In one example, the surface (38) extends down and out from a vertical surface (34) associated with the handrail entry (36) to maximize visibility of the display.



# WO 2004/099040 A1



#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.